

REPLACEMENT CLAIMS

Please cancel Claims 1-3 without prejudice.

Please replace Claim 4 with the following:

4. A press, comprising:

a slide;

2/23/02 a press drive system to cause said slide to move, said press drive system having a press drive motor;

5. a driveshaft, said driveshaft having a first end and a second end, said first end connected to said press motor;

DE a pinion, said pinion connected to said second end of said driveshaft;

a main gear, said main gear driven by said pinion; and

10 a crankshaft, said crankshaft having a first end and a second end, said first end of said crankshaft connected to said main gear; and

15 a variable output differential operatively connected to said drive system, said variable output differential producing slide dwell, wherein said differential is rotatably supported by said crankshaft.

Please replace Claim 11 with the following:

8/ 11. The press as recited in Claim 10, wherein said adjustment means comprises:

DE a hydraulic motor;

a pinion link pivot, said pinion link pivot mounted on
5 said hydraulic motor;

a controller for controlling and identifying the
position of said link spider;

a gear link pivot driven by said pinion link pivot;

a nut link spider affixed to said gear link pivot;

10 a screw link spider threadedly connected to said nut
link spider, said screw link spider supported on three sides by
said pivot link, said nut link spider including pressurized oil
to prevent undamped clearance between said screw link spider and
said nut link spider;

15 a pin link spider for pivotally connecting said link
spider to said screw link spider; and

a retainer connected to said link pivot, said retainer
holding said screw link spider in place within said pivot link.

Please replace Claim 16 with the following:

13 16. A press, comprising:

a slide;

23 2/2/02 a press drive system to cause said slide to move, said press
drive system having a press drive motor;

5 a driveshaft, said driveshaft having a first end and a
second end, said first end connected to said press motor;

a pinion, said pinion connected to said second end of said driveshaft;

a main gear, said main gear driven by said pinion; and

10 a crankshaft, said crankshaft having a first end and a second end, said first end of said crankshaft connected to said main gear; and

9 3
15 a variable output differential operatively connected to said drive system, said variable output differential producing slide dwell, wherein said differential is rotatably supported by said driveshaft, includes a flywheel driven by said motor;

a clutch, said clutch being selectively engageable with said flywheel;

said driveshaft affixed to said clutch;

20 a pinion affixed to said driveshaft;

a main gear driven by said pinion; and

said crankshaft affixed to said main gear.

Please cancel Claims 18, 20 and 21 without prejudice.